



# CUEPIX PANEL™

user manual 1.0

ELATION | CUEPIX PANEL™ | user manual 1.0



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## GENERAL INFORMATION

### INTRODUCTION

Congratulations, you have just purchased one of the most innovative and reliable lighting fixtures on the market today! The **CUEPIX PANEL™** has been designed to perform reliably for years when the guidelines in this booklet are followed. Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this unit. These instructions contain important information regarding safety during use and maintenance.

### UNPACKING

Thank you for purchasing the **CUEPIX PANEL™** by Elation Professional®. Every **CUEPIX PANEL™** has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your unit for damage and be sure all accessories necessary to operate the unit have arrived intact. In the event damage has been found or parts are missing, please contact our customer support team for further instructions. Please do not return this unit to your dealer without first contacting customer support at the number listed below. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

### BOX CONTENTS

- (1) powerCON Power Cable
- Manual & Warranty Card



### MANUAL UPDATES

Please check [www.elationlighting.com](http://www.elationlighting.com) for the latest revision/update of this manual.

## CUSTOMER SUPPORT

Elation Professional® provides a customer support line, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at [www.elationlighting.com](http://www.elationlighting.com) for any comments or suggestions. For service related issue please contact Elation Professional®. Service Hours are Monday through Friday 8:00 a.m. to 5:00 p.m. PST.

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## WARRANTY REGISTRATION

The **CUEPIX PANEL™** carries a two year (730 days) limited warranty. Please fill out the enclosed warranty card to validate your purchase. All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. Items returned without a R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain a R.A. number by contacting customer support at **323-582-3322**.



## IMPORTANT NOTICE!

**There are no user serviceable parts inside this unit. Do not attempt any repairs yourself; doing so will void your manufacturer's warranty. Damages resulting from modifications to this fixture and/or the disregard of safety and general user instructions found in this user manual void the manufacturer's warranty and are not subject to any warranty claims and/or repairs.**

## 2-YEAR LIMITED WARRANTY

A. Elation Professional® hereby warrants, to the original purchaser, Elation Professional® products to be free of manufacturing defects in material and workmanship for a period of two years, (730 days) from the date of purchase. This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.

B. For warranty service, send the product only to the Elation Professional® factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, Elation Professional® will pay return shipping charges only to a designated point within the United States. If the entire instrument is sent, it must be shipped in its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, Elation Professional® shall have no liability what so ever for loss of or damage to any such accessories, nor for the safe return thereof.

C. This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which Elation Professional® concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the Elation Professional® factory unless prior written authorization was issued to purchaser by Elation Professional®; if the product is damaged because not properly maintained as set forth in the instruction manual.

D. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check-up. During the period specified above, Elation Professional® will replace defective parts at its expense, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of Elation Professional® under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of Elation Professional®. All products covered by this warranty were manufactured after January 1, 1990, and bare identifying marks to that effect.

E. Elation Professional® reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured.

F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by Elation Professional® in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer's and or Dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall Elation Professional® be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

G. This warranty is the only written warranty applicable to Elation Professional® Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

## SAFETY INSTRUCTIONS



The **CUEPIX PANEL™** is an extremely sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow the guidelines in this manual. The manufacturer of this device will not accept responsibility for damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual.



This device falls under **PROTECTION CLASS 1**. It's essential this device is grounded properly, and only qualified personnel perform all electrical connections.



### CAUTION!

Never touch the device during operation!  
The housing may heat up



### CAUTION!

Never look directly into the light source,  
as sensitive persons may suffer an epileptic shock.



### CAUTION!

Keep this device away from rain and moisture !



### CAUTION!

Unplug mains lead before opening the housing.

- For proper operation, follow the Installation guidelines described in this manual. Only qualified and certified personnel should perform installation of this fixture and only the original rigging parts (brackets, holders, clamps, safety cables) included with this fixture should be used for installation. Any modifications will void the original manufacturer's warranty and increase the risk of damage and/or personal injury.
- Never look directly into the light source of this fixture to prevent risk of injury to your retina, which may induce blindness. Those suffering from **EPILEPSY** should avoid looking directly into the light source of this unit at all times.
- The fan and air inlets must remain clean and never blocked. Allow approx. 6" (15cm) between this fixture and other devices or a wall for proper cooling.

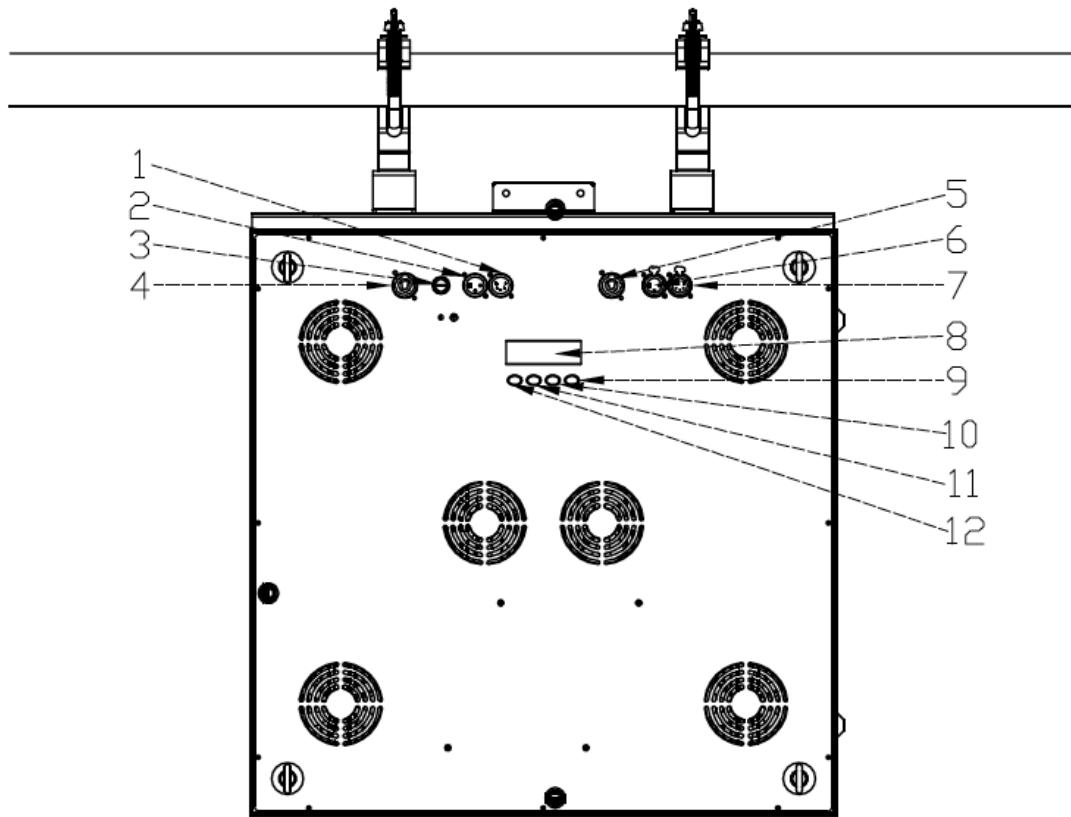
## SAFETY INSTRUCTIONS - CONTINUED

- Always disconnect from main power source before performing any type of service and/or cleaning procedure. Only handle the power cord by the plug end, never pull out the plug by tugging the wire portion of the cord.
- Do not operate this fixture if the power cord has become frayed, crimped and/or damaged. If the power cord is damaged, replace it immediately with a new one of similar power rating.

## GENERAL GUIDELINES

- NEVER OPEN THIS FIXTURE WHILE IN USE!
- During the initial operation of this fixture, a light smoke or smell may emit from the interior of the fixture. This is a normal process and is caused by excess paint in the interior of the casing burning off from the heat associated with the lamp and will decrease gradually over time.
- This fixture is a professional lighting effect designed for use on stage, in nightclubs, theatres, etc. Do not attempt installation and/or operation without proper knowledge of how to do so.
- Do not permit operation by persons who are not qualified for operating this type of theatrical fixture. Most damages are the result of operations by nonprofessionals.
- If this fixture is exposed to extreme temperatures due to environmental changes, do not power the fixture on until it has reached room temperature. Condensation could damage the fixture.
- Consistent operational breaks may ensure the fixture will function properly for many years to come.
- Do not shake fixture, avoid brute force when installing and/or operating the device.
- Always install the fixture with an appropriate safety cable. When installing the fixture in a suspended environment, always use mounting hardware that is no less than M10 x 25 mm, also be sure the hardware is insert in the pre-arranged screw holes in the base of the fixture.
- Please use the original packaging and materials to transport the fixture in for service.

## Fixture Overview



1. **5pin DMX IN** – Accepts incoming DMX signal via a male 5pin XLR jack.
2. **3pin DMX IN** – Accepts incoming DMX signal via a male 3pin XLR jack.
3. **Fuse** - Fuse holder.
4. **powerCON IN** – Power connection to power source.
5. **powerCON OUT** - Power link connection to next unit.
6. **3pin DMX OUT** – Sends DMX signal to next fixture in chain via a female 3pin XLR jack.
7. **5pin DMX OUT** – Sends DMX signal to next fixture in chain via a female 5pin XLR jack.
8. **LCD Menu Control Display** – LCD menu control display.
9. **ENTER Button** – Used to enter into or lock a certain menu function.
10. **DOWN Button** – Used to toggle down or back through the menu functions and settings.
11. **UP Button** – Used to toggle forward through the menu functions and settings.
12. **MODE/ESC Button** – Used to access the menu functions and exit the current command.

## INSTALLATION



### CAUTION!

Please consider the GB7000.15/EN60598-2-17 and the other respective national norms during the installation. The installation must only be carried out by a qualified person.



### CAUTION!

The electric connection must only be carried out by a qualified electrician.

## CAUTIONS

- The recommended temperature for this fixture is **14°F to 113°F (-10°C to 45°C)**.  
Do not use the fixture under or above this temperature.
- For added protection, mount the fixture in areas outside walking paths, seating areas, or in areas where unauthorized personnel might reach the fixture.
- Before mounting the fixture to any surface, make sure the installation area can hold a minimum point load of 10 times the weight of the fixture. **(164Kgs / 364 Lbs)**
- Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.
- Never stand directly below the device when mounting, removing or servicing the fixture.
- When power linking multiple units, **2pcs Max for 120V and 4pcs Max for 220V**.

## MOUNTING POINTS

- Overhead mounting requires extensive experience, including amongst others calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the device. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.
- Be sure the fixture is kept at least 0.5m (1.5 feet) away from any flammable materials (decoration etc.).

## FIXTURE MENU



### OPERATING INSTRUCTIONS

- 1) STATIC COLOR / BUILT-IN 15 MACROS**
- 2) AUTO RUN**
- 3) MASTER / SLAVE**
- 4) DMX MODE**

When the display flashes, you can select the desired mode via the **UP/DOWN** buttons.

The display will shut off and lockout after 30 seconds of no use.

Press and hold **MODE** button for approx. 10 seconds to unlock display.

### AUTO RUN Mode (15 Built-In Modes)

**AUTO RUN**

**FQN:01-99 (Frequency Adjustable)**

## Built-In Macros (15 Macros)

<b>STATIC COLOR</b>	
<b>CL:RGB</b>	Blackout, Red-Green-Blue-Yellow-Cyan-Purple-White
<b>FLASH 00-99</b>	Flash Rate Adjustable
<b>DREAM</b>	
<b>SPEED 00-99</b>	Seven Color Dreaming Effect
<b>FLASH 00-99</b>	Speed and Flash Rate Adjustable
<b>METEOR</b>	
<b>SPEED 00-99</b>	Seven Color Flow
<b>FLASH 00-99</b>	Speed and Flash Rate Adjustable
<b>FADE</b>	
<b>SPEED 00-99</b>	Seven Color Dreaming Fade
<b>FLASH 00-99</b>	Speed and Flash Rate Adjustable
<b>CHANGE</b>	
<b>SPEED 00-99</b>	Seven Color Change
<b>FLASH 00-99</b>	Speed and Flash Rate Adjustable
<b>FLOW 1</b>	
<b>SPEED 00-99</b>	Seven Color Chase
<b>FLASH 00-99</b>	Speed and Flash Rate Adjustable
<b>FLOW 2</b>	
<b>SPEED 00-99</b>	Seven Color Chase
<b>FLASH 00-99</b>	Speed and Flash Rate Adjustable
<b>FLOW 3</b>	
<b>SPEED 00-99</b>	Seven Color Chase
<b>FLASH 00-99</b>	Speed and Flash Rate Adjustable
<b>FLOW 4</b>	
<b>SPEED 00-99</b>	Seven Color Chase
<b>FLASH 00-99</b>	Speed and Flash Rate Adjustable
<b>FLOW 5</b>	
<b>SPEED 00-99</b>	Seven Color Chase
<b>FLASH 00-99</b>	Speed and Flash Rate Adjustable
<b>FLOW 6</b>	
<b>SPEED 00-99</b>	Seven Color Chase
<b>FLASH 00-99</b>	Speed and Flash Rate Adjustable
<b>FLOW 7</b>	
<b>SPEED 00-99</b>	Seven Color Chase
<b>FLASH 00-99</b>	Speed and Flash Rate Adjustable

## Built-In Macros - CONTINUED

<b>FLOW 8</b>	
<b>SPEED 00-99</b>	Seven Color Chase
<b>FLASH 00-99</b>	Speed and Flash Rate Adjustable
<b>FLOW 9</b>	
<b>SPEED 00-99</b>	Seven Color Chase
<b>FLASH 00-99</b>	Speed and Flash Rate Adjustable
<b>FLOW 10</b>	
<b>SPEED 00-99</b>	Seven Color Chase
<b>FLASH 00-99</b>	Speed and Flash Rate Adjustable

### SLAVE MODE:

Link the units via DMX cable and then set each of the Slave units to **SLAVE** mode by pressing **MODE** button and selecting **SLAVE MODE** and the slave units will operate in accordance with the Master unit.

### PIXEL FLIP SETTING:

Select the desired starting COB module and chase direction from one of the following modes below via **UP/DOWN** buttons and then press **ENTER** to confirm.

**STANDARD**

1	2	3	4	5
10	9	8	7	6
11	12	13	14	15
20	19	18	17	16
21	22	23	24	25

**FLIP 1**

5	4	3	2	1
6	7	8	9	10
15	14	13	12	11
16	17	18	19	20
25	24	23	22	21

**FLIP 2**

25	24	23	22	21
16	17	18	19	20
15	14	13	12	11
6	7	8	9	10
5	4	3	2	1

**FLIP 3**

21	22	23	24	25
20	19	18	17	16
11	12	13	14	15
10	9	8	7	6
1	2	3	4	5

**FLIP 4**

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

## DIMMING CURVE SETTING:

Select the Dimming Curve Setting by pressing **MODE** button until **DIMMING CURVE** is displayed and then press **UP/DOWN** buttons to select desired Dim Curve **Standard (default), Stage, TV, Architectural, or Theatre**.

## DMX MODES

**Channel Modes: (3CH, 6CH, 7CH, 75CH, 79CH)**

**3 Channel Mode: (All 25 COB Module Sections)**

Channel:	Value:	Function:
1	000-255	Red (0-100%)
2	000-255	Green (0-100%)
3	000-255	Blue (0-100%)

**6 Channel Mode: (All 25 COB Module Sections)**

Channel:	Value:	Function:
CH1	0-255	RED (0-100%)
CH2	0-255	GREEN (0-100%)
CH3	0-255	BLUE (0-100%)
CH4	0-255	Master Dimmer (0-100%)
CH5	Flash (0-255) From Slow To Fast	
CH6	Dim Curves: 0-41 Standard 42-84 Stage 85-127 TV 128-170 Architectural 171-213 Theatre 214-255 Default to unit curve setting	

**7Channel Mode: (All 25 COB Module Sections)**

CH1	CH2	CH3	CH4	CH5	CH6	CH7
R (0-255)	G (0-255)	B (0-255)	0-15			
			16-23 R			
			24-31 G			
			32-39 B			
			40-47 RG			
			48-55 GB			
			56-63 RB			
			64-71 RGB			
			72-79 Color1			Dim Curves:
			80-87 Color2			0-41 Standard
			88-95 Color3			42-84 Stage
			96-103 Color4			85-127 TV
			104-111 Color5			128-170 Architectural
			112-119 Color6			171-213 Theatre
			120-127 Color7			214-255
			128-135 Color8			Default To Unit
			136-143 Dream			Curve setting
			144-151 Meteor			
			152-159 Fade			
			160-167 Change			
			168-175 Flow1			
			176-183 Flow2			
			184-191 Flow3			
			192-199 Flow4			
			200-207 Flow5			
			208-215 Flow6			
			216-223 Flow7			
			224-231 Flow8			
			232-239 Flow9			
			240-247 Flow10			
			248-255 N/G			
				Dimmer (0-255)		
					Speed (0-255)	
					From Slow To Fast	
					Flash (0-255)	
					From Slow To Fast	

**75 Channel Mode: (Every 1 COB module as 1 section, the fixture has a total of 25 sections)**

**79 Channel Mode: (Every 1 COB Module as 1 section, the fixture has a total of 25 sections)**

CH1	CH2	CH3...	CH75	CH76	CH77	CH78	CH79	
R1 (0-255)	G1 (0-255)	B1... (0-255)	...B25 (0-255)	0-15				
				16-23 R 24-31 G 32-39 B 40-47 RG 48-55 GB 56-63 RB 64-71 RGB 72-79 Color1 80-87 Color2 88-95 Color3 96-103 Color4 104-111 Color5 112-119 Color6 120-127 Color7 128-135 Color8 136-143 Dream 144-151 Meteor 152-159 Fade 160-167 Change 168-175 Flow1 176-183 Flow2 184-191 Flow3 192-199 Flow4 200-207 Flow5 208-215 Flow6 216-223 Flow7 224-231 Flow8 232-239 Flow9 240-247 Flow10 248-255 N/G	Dimmer (0-255)	Dim curves: 0-41 Standard 42-84 Stage 85-127 TV 128-170 Architectural 171-213 Theatre 214-255 Default to unit curve setting	Flash 0-255 From Slow To Fast	Speed (0-255) From Slow To Fast